

Fig. 1

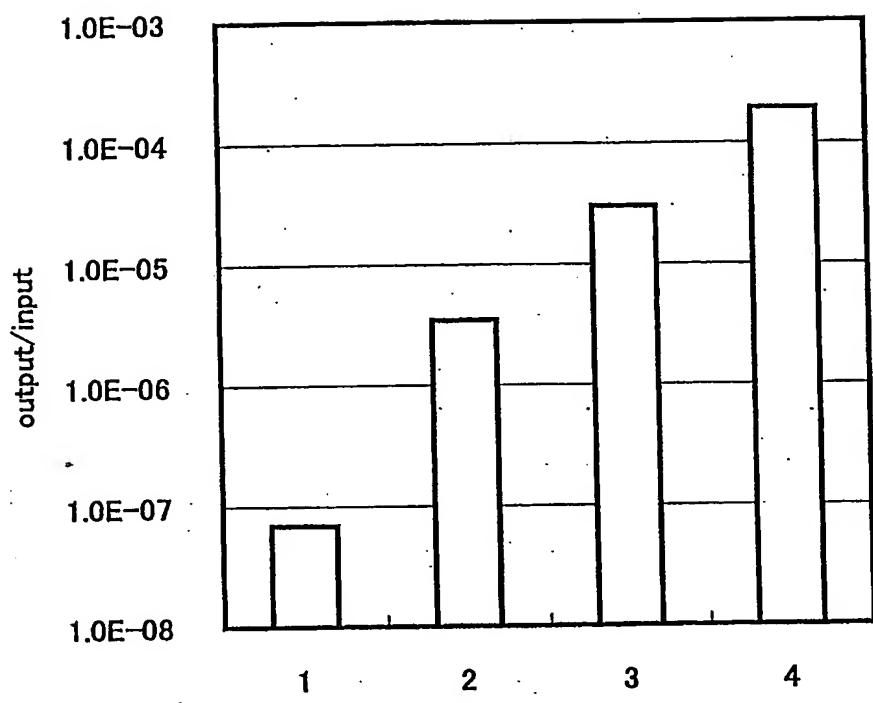


Fig. 2

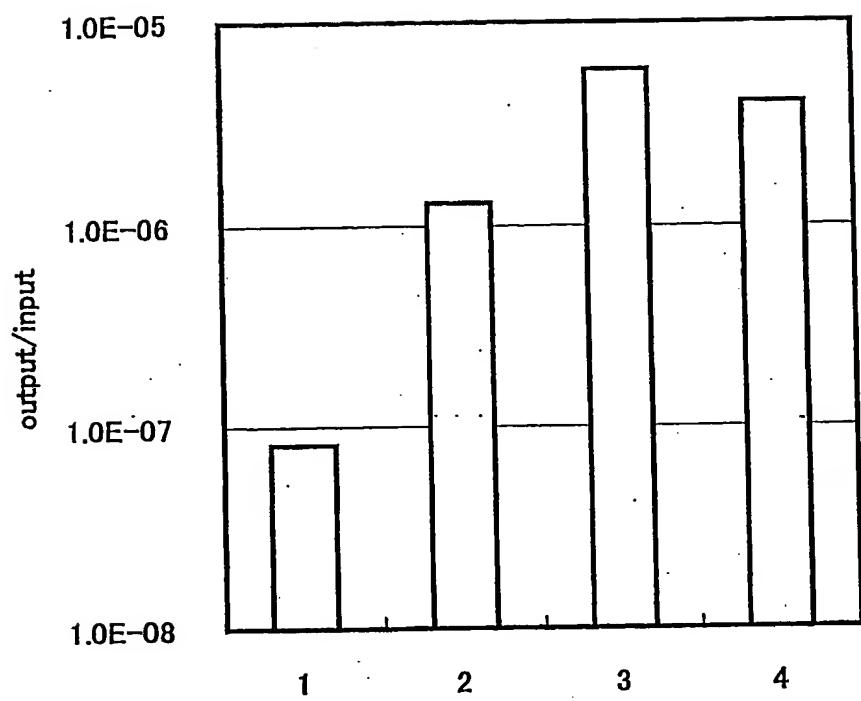


Fig. 3

e3-2-2 LDTTNVSGPMSS
e3-2-3 RKLDPAPGMHTW
e3-2-4 RKLDPAPGMHTW
e3-2-5 SYRLPVYLHALL
e3-2-6 RKLDPAPGMHTW
e3-2-7 RKLDPAPGMHTW
e3-2-8 SDPNQDWRRTP
e3-2-9 RKLDPAPGMHTW
e3-2-10 RKLDPAPGMHTW
e3-2-12 LPSQLLSQVNLT
e3-2-13 RKLDPAPGMHTW
e3-2-14 RKLDPAPGMHTW
e3-2-15 RKLDPAPGMHTW
e3-2-16 RKLDPAPGMHTW
e3-2-17 RKLDPAPGMHTW
e3-2-18 RKLDPAPGMHTW
e3-2-19 LCANNTTSVHPP
e3-2-20 RKLDPAPGMHTW
e3-2-21 MQMEGKPTLTLR
e3-2-22 RKLDPAPGMHTW
e3-2-23 RKLDPAPGMHTW
e3-2-25 RKLDPAPGMHTW
e3-2-29 STLKNPINLLAN
e3-2-30 RKLDPAPGMHTW
e3-2-31 RKLDPAPGMHTW
e3-2-33 RKLDPAPGMHTW
e3-2-34 RKLDPAPGMHTW
e3-2-36 RKLDPAPGMHTW
e3-2-39 RKLDPAPGMHTW
e3-2-40 RKLDPAPGMHTW
e3-2-41 RKLDPAPGMHTW
e3-2-42 RKLDPAPGMHTW
e3-2-43 SCHWYDSCSSP
e3-2-45 RKLDPAPGMHTW
e3-2-46 RKLDPAPGMHTW
e3-2-47 RKLDPAPGMHTW
e3-2-48 RKLDPAPGMHTW
e3-2-49 RKLDPAPGMHTW
e3-2-50 STLKNPINLLAN
e3-2-51 RKLDPAPGMHTW
e3-2-52 RKLDPAPGMHTW
e3-2-55 QDMIRTSALMLQ
e3-2-56 RKLDPAPGMHTW

Fig. 4

e3-4-2 CTSPTSVDC
e3-4-3 CTPSPHQGC
e3-4-4 CHTAPLPRC
e3-4-5 CTPSPHQGC
e3-4-6 CHGATPQNC
e3-4-7 CSGHNPTH
e3-4-8 CTSPTSVDC
e3-4-9 CTPSPHQGC
e3-4-11 CPMWQAQQC
e3-4-12 CGYYSMSHC
e3-4-13 CDMLTPRSC
e3-4-15 CTSPTSVDC
e3-4-16 CLRLQSQDC
e3-4-17 CQITWHHTC
e3-4-19 CTPSPHQGC
e3-4-21 CSAHHHDKC
e3-4-22 CTPSPHQGC
e3-4-23 CMTKNPLNC
e3-4-24 CTPSPHQGC
e3-4-25 CTPSPHQGC
e3-4-26 CTPSPHQGC
e3-4-27 CTSPTSVDC
e3-4-28 CMTKNPLNC
e3-4-29 CKTSLPTTC
e3-4-30 CVSTYWKT
e3-4-31 CTSPTSVDC
e3-4-32 CTSPTSVDC

Fig. 5

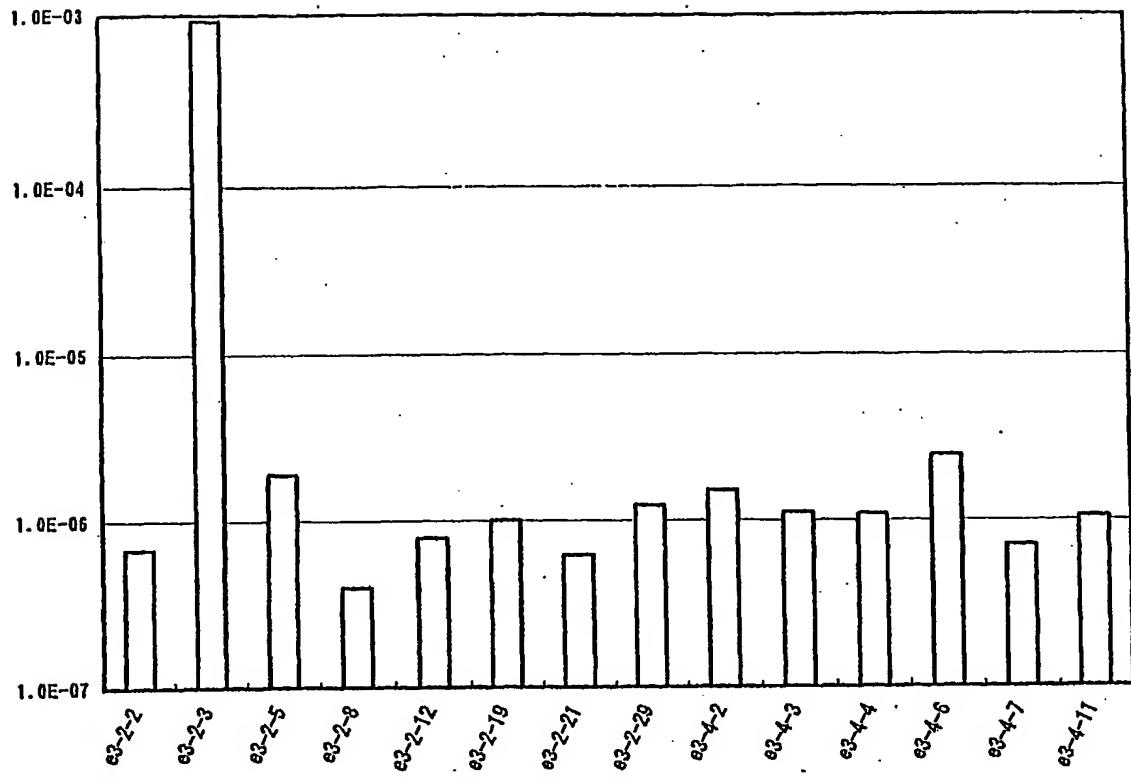
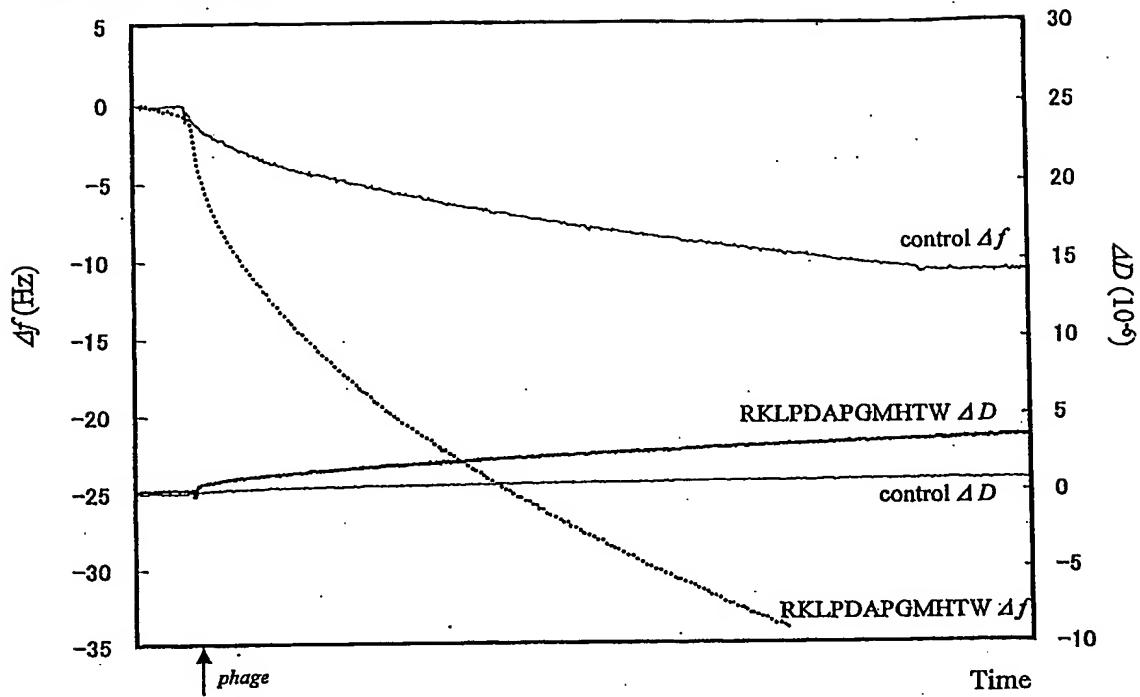


Fig. 6

A: Non-blocking



B: BSA blocking

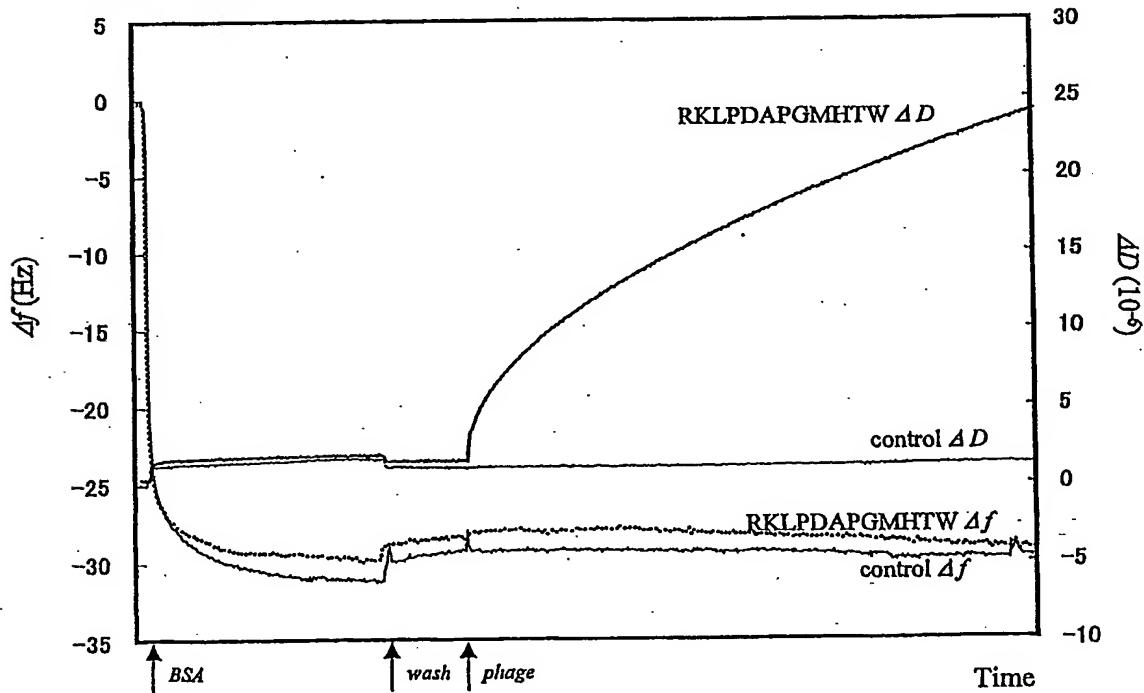


Fig. 7

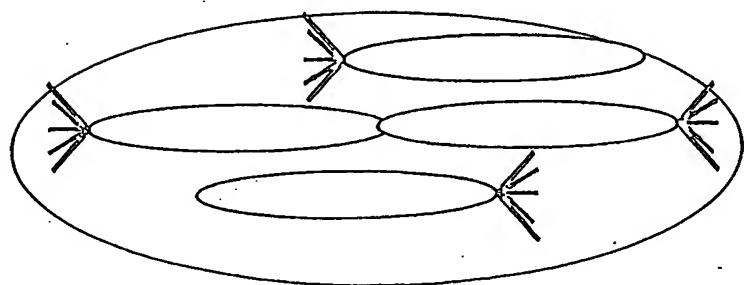
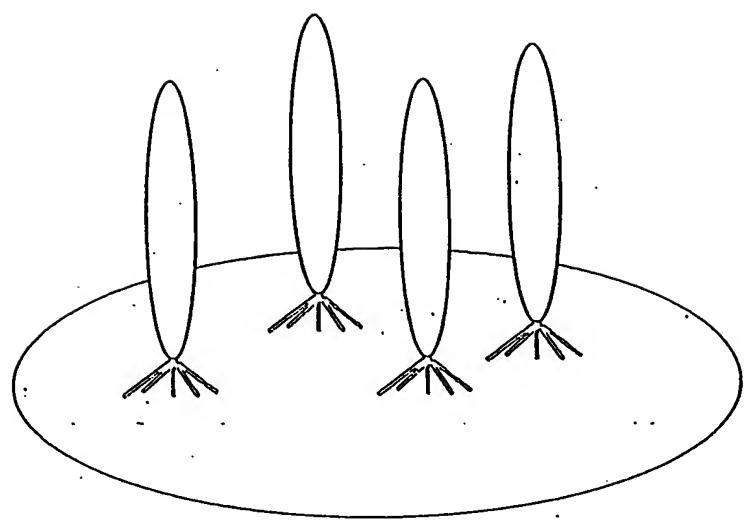


Fig. 8

R1A: AGGCAGCTCGCAGAGTGAGAATAG
K2A: CATCAGGCAGCGCCCGAGAGTGAG
L3A: GGAGCATCAGGCGCCTCCGAGAG
P4A: CCGGGAGCATCAGCCAGCTCCGAG
D5A: ATCCCAGGAGCAGCAGGCAGCTTC
P7A: GTATGCATCCGGCAGCATCAGGCA
G8A: AGTATGCATCGCGGGAGCATCAGG
M9A: CCCCAAGTATGCGCCCCGGAGCATC
H10A: TCCACCCCAAGTAGCCATCCGGGA
T11A: TCCACCCCAAGCATGCATCCGG
W12A: AACCTCCACCCGAGTATGCATC

Δ7-12F: GGAGGATCCGCCGAAACTGTTGAAAGTTG
Δ7-12R: GGGGGATCCTCCACCAGCATCAGGCAGCTCCGAG
K2AΔ7-12R: GGGGGATCCTCCACCAGCATCAGGCAGCGCCCGAG

Ala insert: AGCATCAGGCAGCTCCGTGCAGAGTGAGAATAGAAAGG

Fig. 9

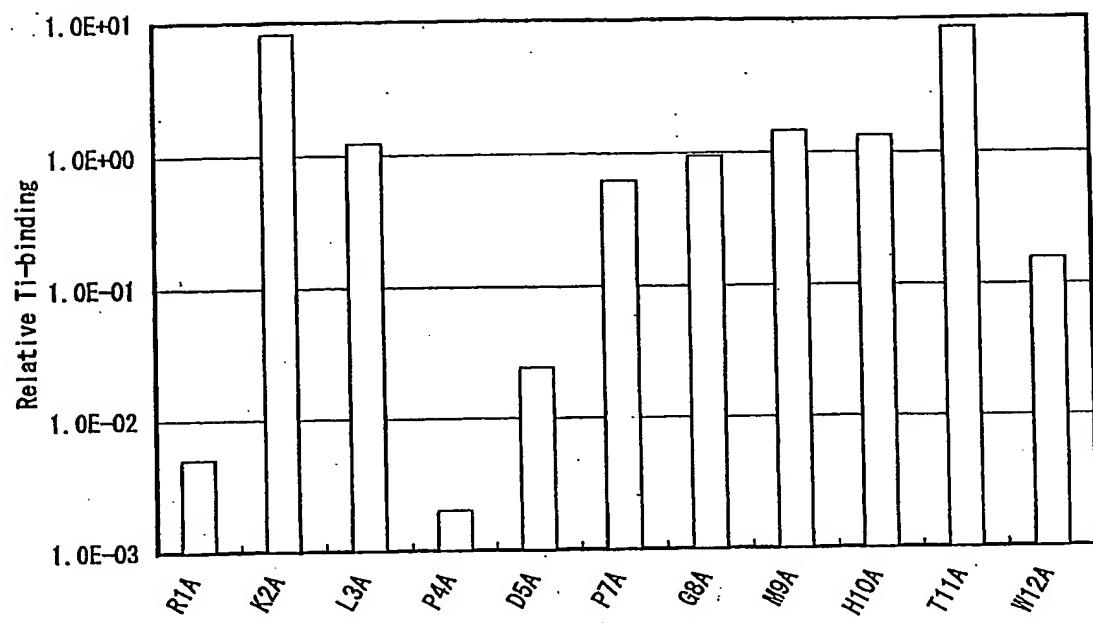


Fig. 10

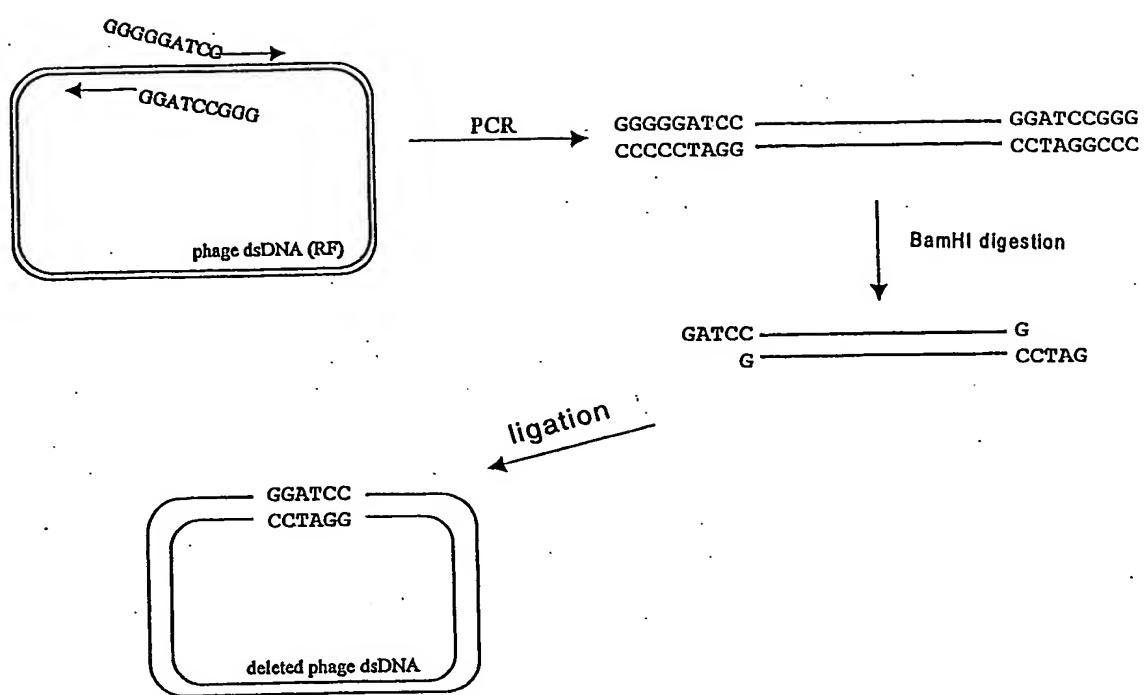


Fig. 11

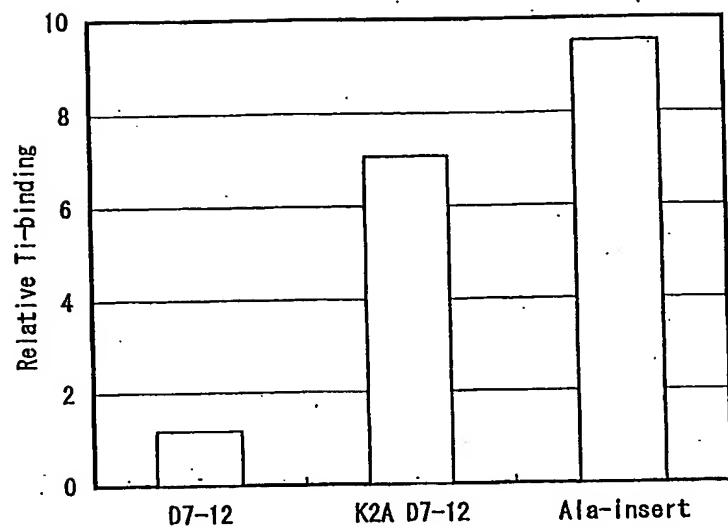


Fig. 12

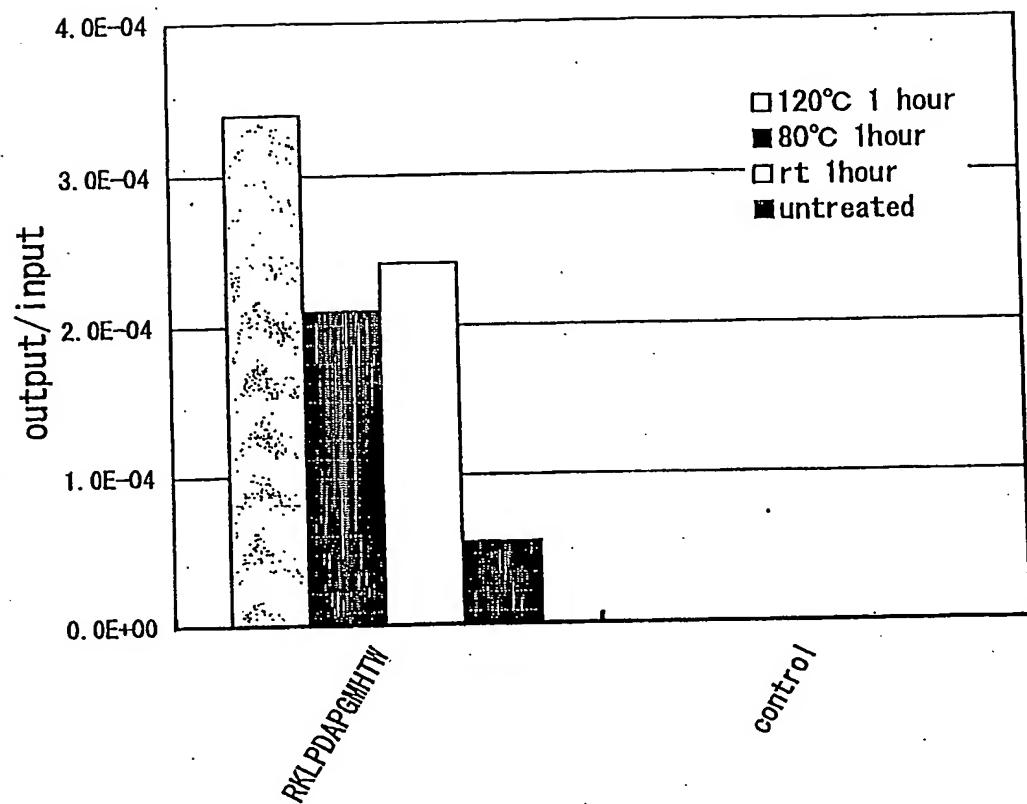


Fig. 13

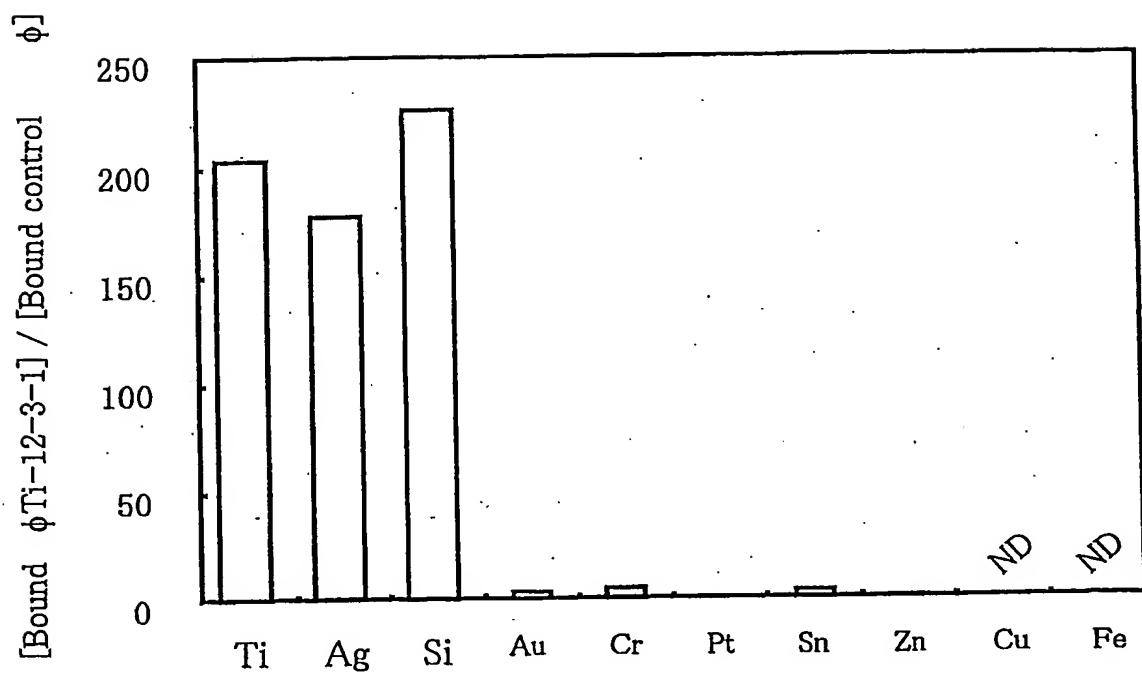


Fig. 14

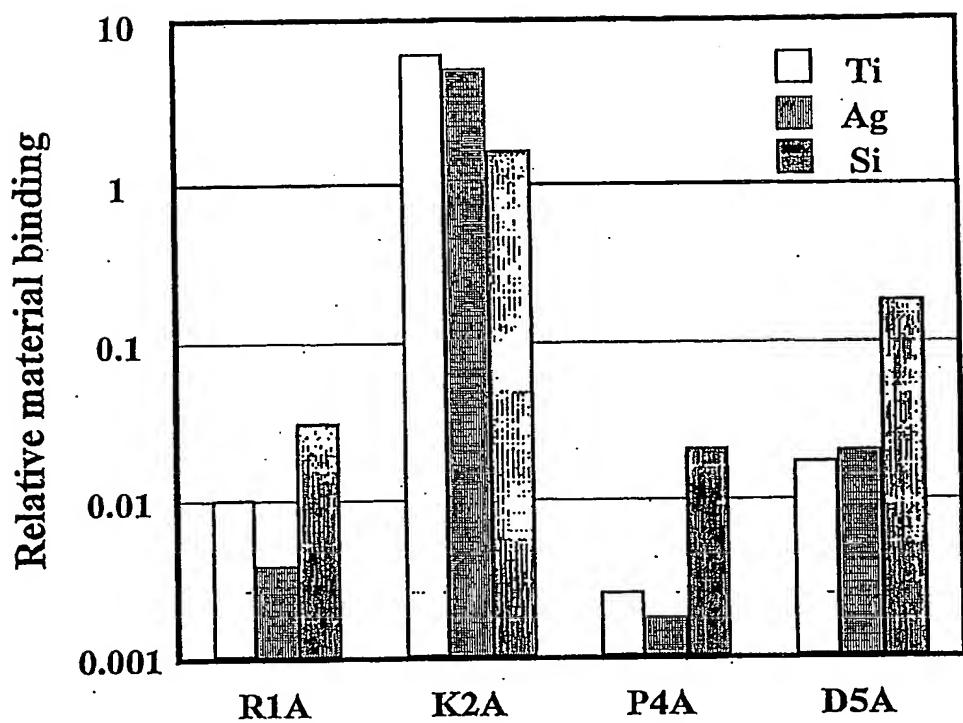


Fig. 15

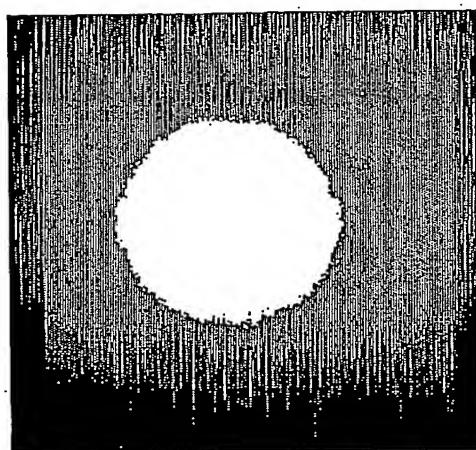
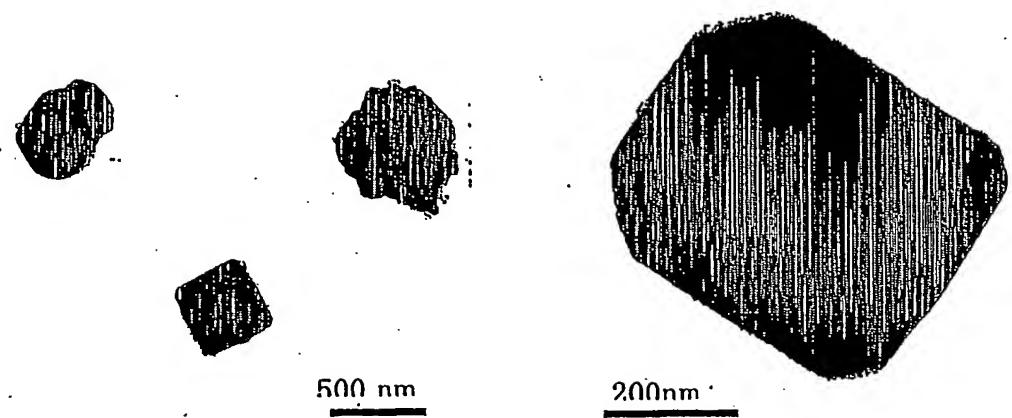


Fig. 16

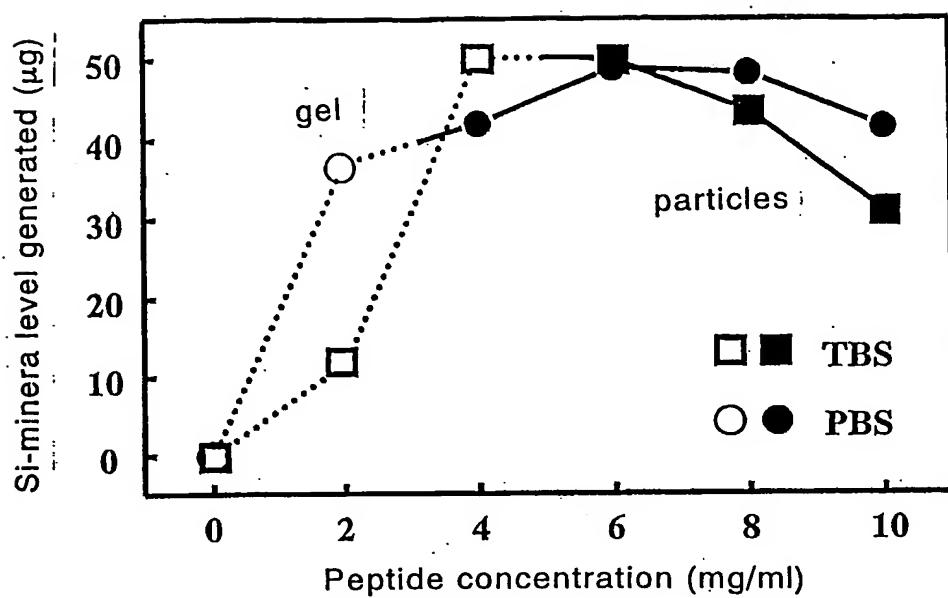


Fig. 17

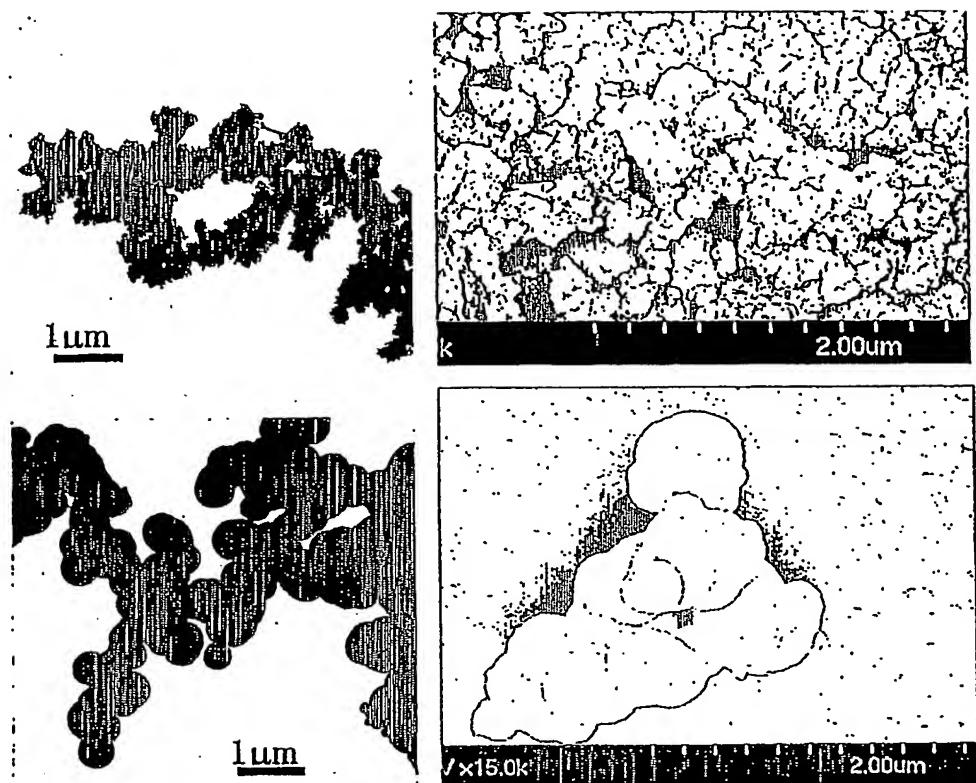


Fig. 18

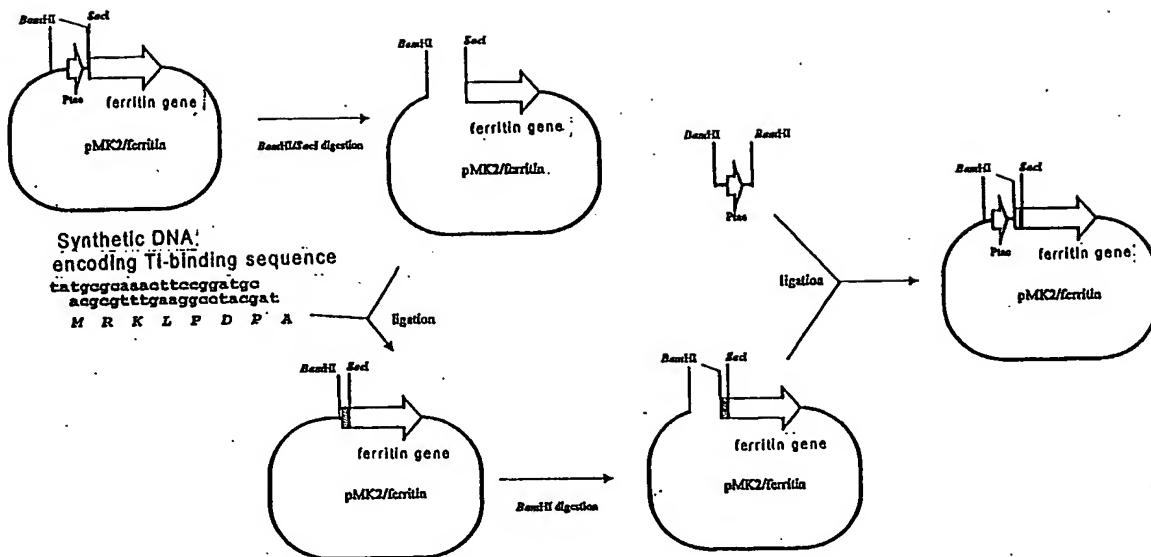


Fig. 19

